

PRODUCT CATALOG



FIBER CEMENT BOARD



General Information

Product Description

Red moat® Fiber Cement Board presents the part of Japan know-how as a high quality building materials. It is developed and manufactured under the International Accreditation System ISO 9001 and ISO 14001, so it may be specified with total confidence. And quality of the board conforms to the requirements of BS EN 12467 Fibre-cement flat sheets —Product specification and test methods.

All Red moat® board is autoclaved to become stable product. It contains some recyclable powder or power plant waste powder and other inorganic materials such as porland cement, silica powder and cellulose fiber as the main materials, therefore makes it a green label product. And It does not contain any of asbestos fiber, however, it has strong bending strength like those with asbestos. Given its superior weathering resistant and bending strength performances, make it suitable for any purposes of applications. It can be applied not only for the interior use of wall in bedroom, kitchens, bathroom, laundries ,toilets and other areas in domestic building, but also suitable for the outdoor wall system.

Comparing to the traditional brick wall, Red moat® fiber cement board partitioning system is only 20% of total weight, therefore, it can save the cost for the building structure and create more interior space. The board can be manufactured with recessed edges on both long edges so that sheets may be taped and set with plaster jointing materials to allow a smooth joint-free finished surface. Once jointed, it may be tiled, painted or wallpapered as desired.

Certifications of Red moat® Fiber Cement Board

CE Marking



Red moat® fiber cement board Complies with
EN 12467 Class 3

Green Label



Red moat® Fiber Cement Board

Features and Benefits

Characteristics

- 100% Asbestos free
- Superior Bending Strength
- Excellent Fireproofing Performance
- Superior Weather Resistance
- Excellent Sound Absorption and Insulation
- Mold and Mildew-resistance
- Dimensional Stability
- Low Shrinkage
- Low Thermal Conductivity
- High Compressive Strength
- Ready for Tiling, Painting, Attaching Wallpaper and other Finishings
- Partition System up to 2 hrs FR and Sound Insulation up to 46 db



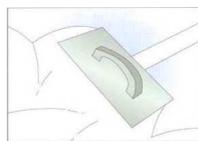
Benefits

Finishing

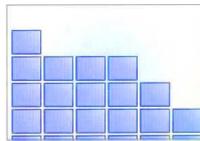
- Ready for tiling, plastering, laminating, painting, wall paper adhering
- Tiling up to 50kg/m²
- Special designed surface for plastering and painting



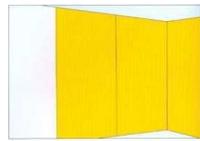
Painting



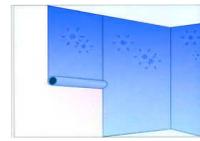
Plastering



Tiling



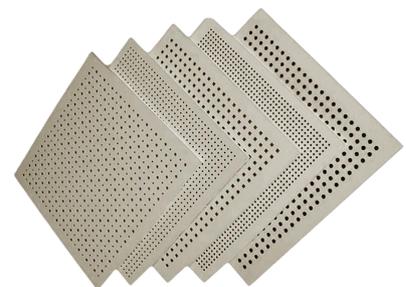
Laminates



Wall Paper

Acoustic Wall & Ceiling

- Partition wall system noise reduction can be up to 46 db
- Acoustic wall lining or ceiling NRC up to 0.9
- Can be perforated with wide range of perforation patterns for acoustic wall lining and ceiling



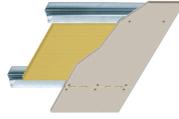
Red moat® Fiber Cement Board Features and Benefits

Applications

- Roof
- Ceiling
- Wall
- Partition
- Floor
-



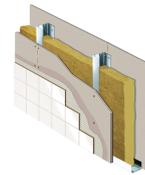
Roof



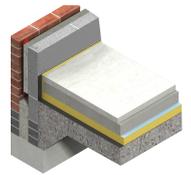
Ceiling



Wall



Partition



Floor

Application Fields

- Bedroom
- Kitchen
- Bathroom
- Washroom
- Laundry
-



Bedroom



Kitchen



Bathroom



Washroom



Laundry

Dimensions

Length x Width(mm)	1220x2440
Thickness(mm)	9, 12, 15, 18,
Density(kg/m ³)	1300



* other sizes and thickness available upon request.

Edge Treatment



Squared Edge



Tapered Edge

Technical Product Details

Technical Product Details

Red moat® Fiber Cement Board Tested in accordance with BS EN 12467: Fibre-cement flat sheets products specification and test methods with CE Mark.

Description	Result
• Size	1220 x 2440mm
• Apparent density	1.31g / cm ³
• Thickness	9mm, 12mm,15mm,18mm
• Composition	Lime, Portland cement, sand, cellulose;Zero asbestos
• Tolerance on length and width	Length : 2439 Deviation : -1mm Width : 1219 Deviation : -1mm~0mm
• Tolerance of thickness	Deviation : -0.02mm~0.13mm
• Moisture movement	Deviation : 0.2%~1.1% Length : 0.08% Width : 0.10%
• Bending strength	Level 1
• Bending strength (MOR)	Average : 13.6MPa
• Modulus of elasticity (MOE)	Average : 8100MPa
• Warm water	Pass
• Soak/dry	Pass
• Freeze-thaw	Pass
• Heat-rain	Pass
• Reaction to fire	A1
• Release of dangerous substances (REACH)	Pass
• Non-combustible	Pass

Partition System

Partition System Installation Illustrations



1 Red moat® Cement Board



2 Green fom® Mesh



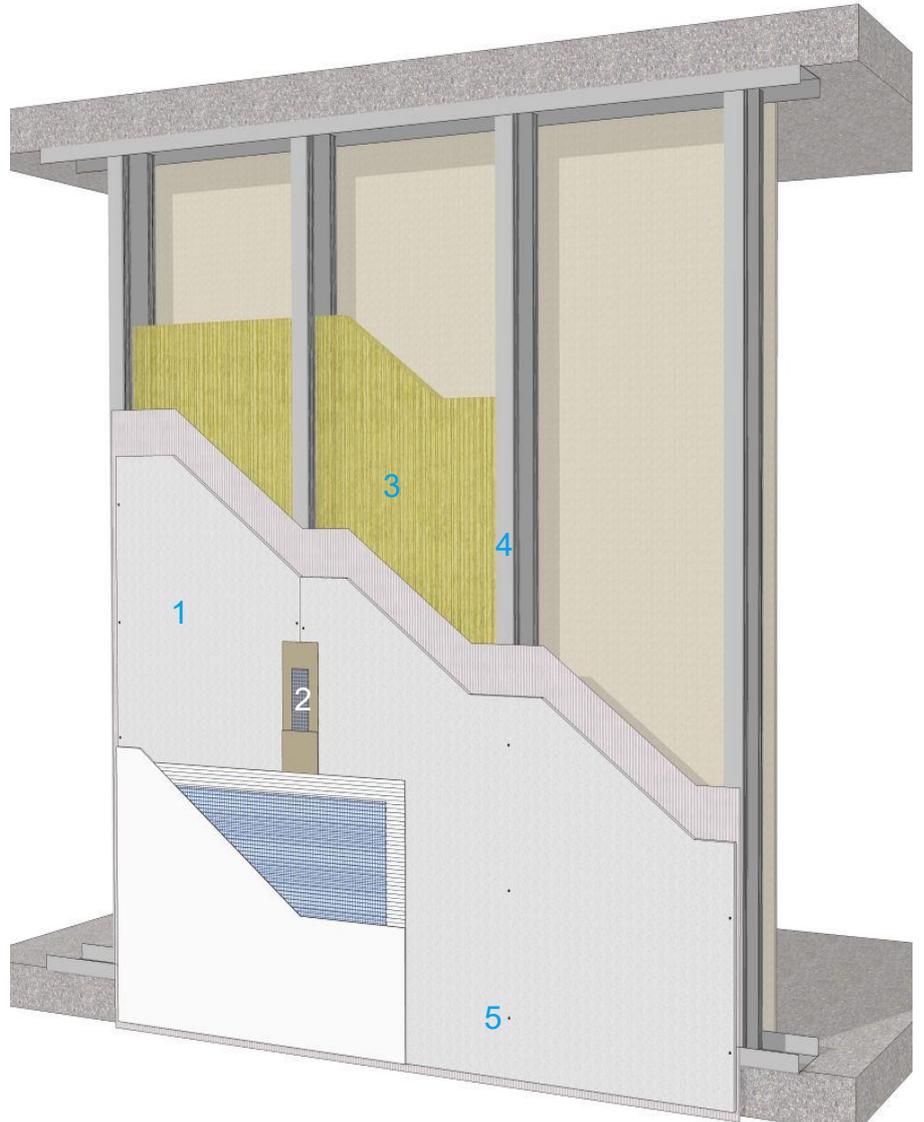
3 Red moat® Rockwool



4 SturFrame® Metal Framing

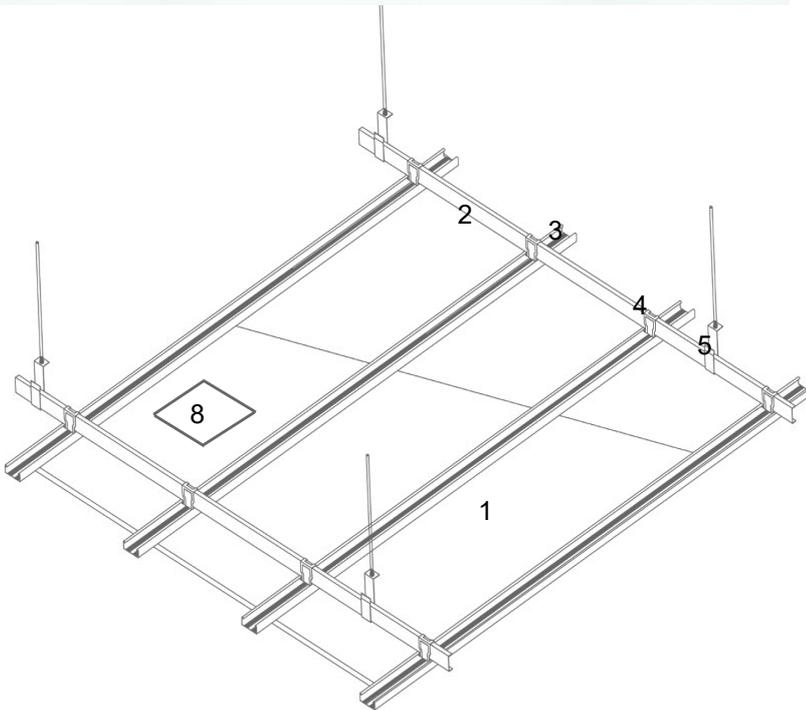
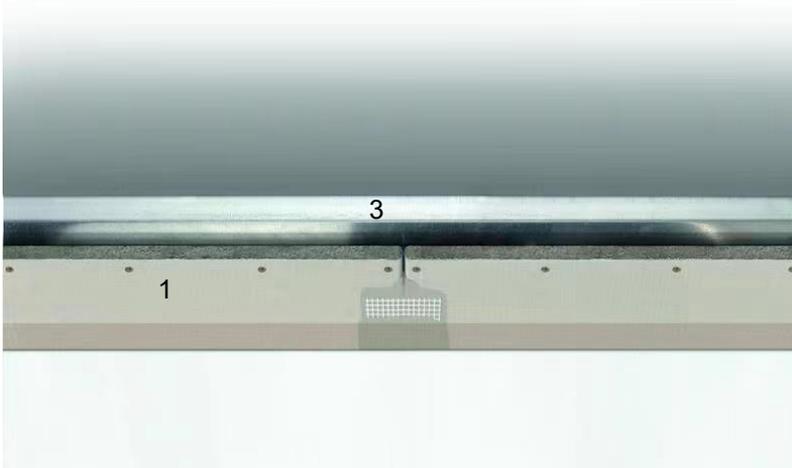


5.M4 Self-tapping Screw

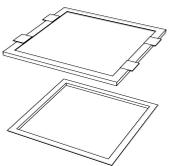


Ceiling System

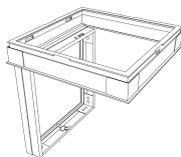
Ceiling System Installation Illustrations



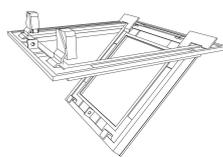
8. Optional for Different Functional Access Panels



Easy Lay-on
Access Panel



Exposed Grid
Access Panel

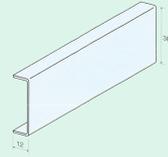


Spring Loaded
Access Panel

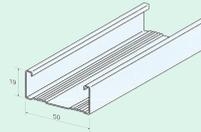
System Parts



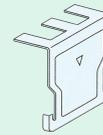
1. Red moat® Cement Board



2. Sturframe® C-Channel



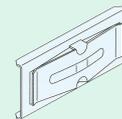
3. Sturframe® W-Bar



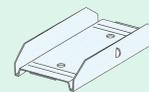
4. Sturframe® Clip



5. Sturframe® Hanger



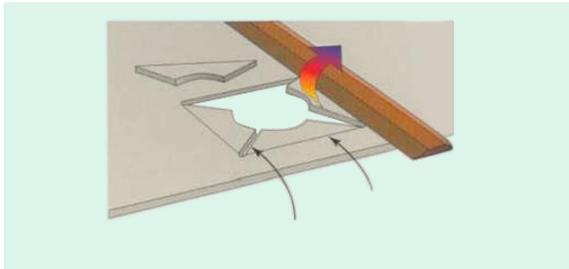
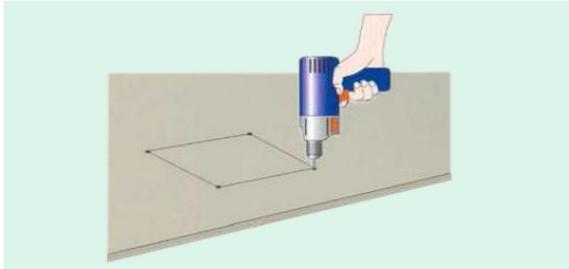
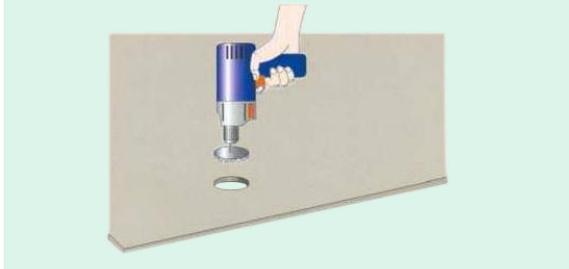
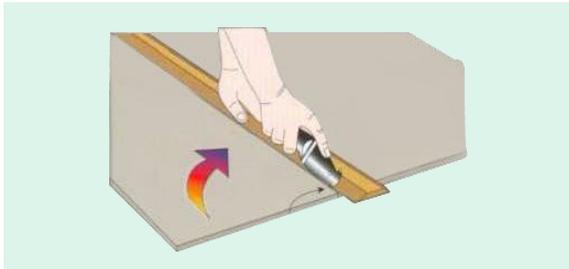
6. Sturframe® C-Channel
Connector



7. Sturframe® W-Bar
Connector

Handling and Storage

Process Steps

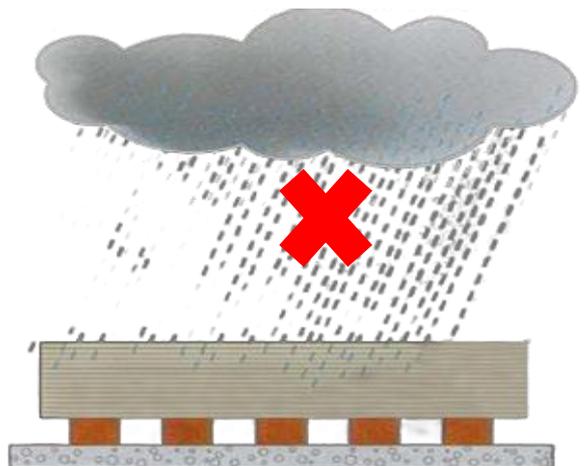
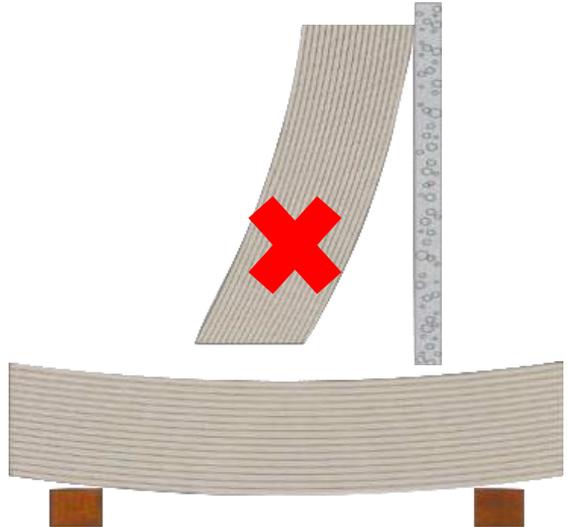
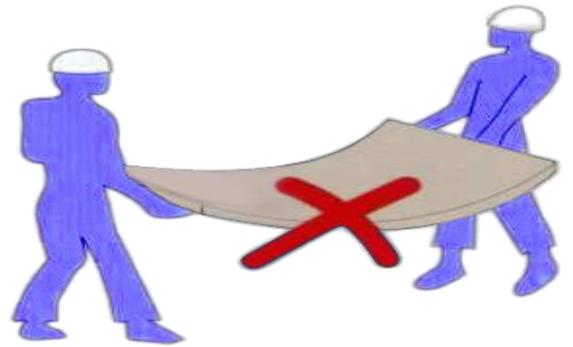
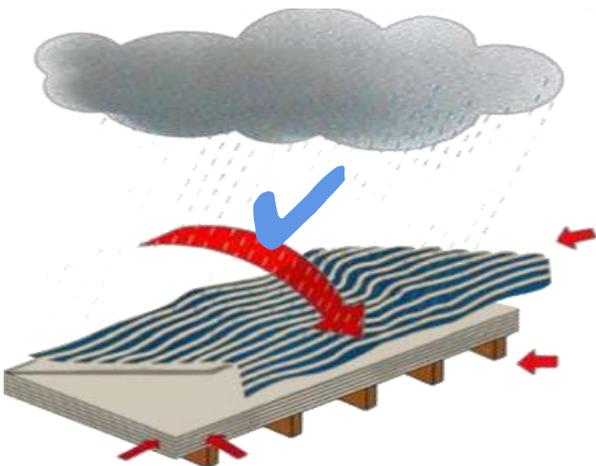
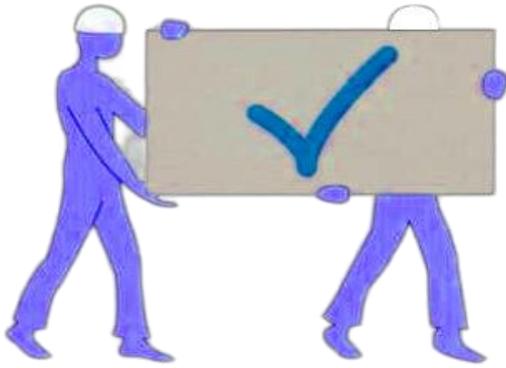


1. Mark the desired shape with pencil and ruler;
2. For normal cut-out, hand-held or pendulum jigsaw are recommended;
3. To make cut-outs for wiring and pipes or circle cut-out, use a jigsaw or keyhole saw.

Handling and Storage

Handling and Storage

During the transportation and storage, Red moat® fiber cement board must be protected and should be kept in dry, ventilated place, and handling according to the following instruction.





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